

Ophiogomphus colubrinus* (Boreal Snaketail)*Priority 1 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Odonata* (Dragonflies And Damselflies)**Family:** *Gomphidae* (Clubtails)**General comments:**

High vulnerability rank in Conservation Assessment by White et al 2014; only 3 rivers

Species Conservation Range Maps for Boreal Snaketail:Town Map: [Ophiogomphus colubrinus_Towns.pdf](#)Subwatershed Map: [Ophiogomphus colubrinus_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation:**Maine Status: **Threatened****State Special Concern or NMFS Species of Concern: NA****Recent Significant Declines: NA****Regional Endemic: NA****High Regional Conservation Priority:****Northeast Odonate Conservation Assessment:**

Vulnerability: High, Responsibility: Shared

Notes: Occurs in one or two states only

High Climate Change Vulnerability: NA**Understudied rare taxa: NA****Historical: NA****Culturally Significant: NA****Habitats Assigned to Boreal Snaketail:**

Formation Name		Agricultural	
Macrogroup Name		Agricultural	
Habitat System Name:		Pasture-Hay	Notes: secondary (riparian only)
Formation Name		Boreal Upland Forest	
Macrogroup Name		Boreal Upland Forest	
Habitat System Name:		Acadian Low Elevation Spruce-Fir-Hardwood Forest	Notes: secondary (riparian only)
Habitat System Name:		Acadian Sub-boreal Spruce Flat	Notes: secondary (riparian only)
Formation Name		Freshwater Aquatic	
Macrogroup Name		Rivers and Streams	
Habitat System Name:		Large River	**Primary Habitat**
Habitat System Name:		Medium River	**Primary Habitat**
Formation Name		Northeastern Upland Forest	
Macrogroup Name		Northern Hardwood & Conifer	
Habitat System Name:		Appalachian (Hemlock)-Northern Hardwood Forest	Notes: secondary (riparian only)
Habitat System Name:		Laurentian-Acadian Northern Hardwoods Forest	Notes: secondary (riparian only)
Habitat System Name:		Laurentian-Acadian Pine-Hemlock-Hardwood Forest	Notes: secondary (riparian only)

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Stressor Priority Level based on Severity and Actionability	Moderate Severity		High Severity	
	Highly Actionable		Medium-High	
	Moderately Actionable		Medium	
	Actionable with Difficulty		Low	

IUCN Level 1 Threat **Other Options****IUCN Level 2 Threat:** Lack of knowledge**Severity:** Moderate Severity **Actionability:** Highly actionable**Notes:** Lack of comprehensive survey effort and monitoring to identify additional occurrences and status/trends of individual populations**IUCN Level 1 Threat** **Biological Resource Use****IUCN Level 2 Threat:** Logging and Wood Harvesting**Severity:** Moderate Severity **Actionability:** Moderately actionable**Notes:** Intensive forestry in the shoreland zone can affect water quality and riparian habitat**IUCN Level 1 Threat** **Residential and Commercial Development****IUCN Level 2 Threat:** Housing and Urban Areas**Severity:** Moderate Severity **Actionability:** Moderately actionable**Notes:** Degradation of the riparian zone affects water quality and roosting/feeding habitat**IUCN Level 1 Threat** **Agriculture and Aquaculture****IUCN Level 2 Threat:** Annual and Perennial Non-timber crops**Severity:** Moderate Severity **Actionability:** Actionable with difficulty**Notes:** Degradation of the riparian zone affects water quality and roosting/feeding habitat**IUCN Level 1 Threat** **Natural Systems Modifications****IUCN Level 2 Threat:** Dams and Water Management-Use**Severity:** Moderate Severity **Actionability:** Actionable with difficulty**Notes:** Dams degrade habitat quality for many lotic species specialists**Species Level Conservation Actions Assigned to Boreal Snaketail:**

None. *Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

Conservation Actions Associated with the Riverine Odonates Guild:

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Prepare a statewide atlas and conservation assessment.

Stressor(s) Addressed By This Conservation Action

Lack of knowledge

Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.